Department of Toxic Substances Control

*Preventing environmental damage from hazardous waste, and restoring contaminated sites for all Californians.*

State of California

California Environmental Protection Agency

Fact Sheet, November 2007

# Cleanup Plan Available for Review for the Former Kaiser Aerotech Facility

A proposal to clean up contamination at the former Kaiser Aerotech Facility (Kaiser Facility) is open for public comment. The Kaiser Facility is located at 880 Doolittle Drive and 498 Hester Street, San Leandro. The map on page 5 shows the Kaiser Facility location and adjacent areas.

Investigations at the Kaiser Facility have found that soil, soil vapor, and shallow groundwater beneath the site are contaminated with volatile organic compounds (VOCs). The primary contaminants of concern are trichloroethene (TCE), and its break down products; cis 1,2-dichloroethene (cis-1,2-DCE), trans-1,2-DCE, 1,1-DCE and vinyl chloride. The groundwater beneath the Kaiser Facility is not used as a drinking water source.

The Department of Toxics Substances Control (DTSC) proposes to cleanup the contaminated groundwater using a treatment called enhanced reductive dechlorination (ERD). This treatment involves injecting a food-grade substance, such as sodium lactate, into the contaminated groundwater to help accelerate the natural process of breaking down the contaminants. More information on this treatment can be found on page 3.

A cleanup plan called a Draft Remedial Action Plan (RAP) describes in detail the investigations and proposed cleanup activities for the Kaiser Facility.

DTSC has also prepared a proposed Notice of Exemption (NOE). Under the California Environmental Quality Act, DTSC must evaluate whether the Kaiser Facility has any significant impacts on human health or the environment. As part of this evaluation, DTSC has proposed a NOE which concludes that the Kaiser Facility will not result in any impact to human health or the environment.

DTSC invites you to review and comment on the Draft RAP. The proposed Draft RAP and NOE are available for your review at the Information Repositories listed on page 4.

## PUBLIC COMMENT PERIOD

We encourage you to review the Draft RAP and proposed NOE. DTSC is holding a 30-day public comment period for the Draft RAP beginning **November 6, 2007 and ending December 14, 2007**. All comments must be postmarked by December 14, 2007. All e-mailed comments must be received no later than 5:00 pm on December 14, 2007. Please submit written comments to:

Jayantha Randeni
DTSC Project Manager
700 Heinz Avenue, Berkeley, California, 94710
Jrandeni@dtsc.ca.gov

## PUBLIC MEETING

DTSC will hold a public meeting to discuss the Draft RAP, to answer the community's questions, and to receive public comments. The public meeting will be held on:

**Thursday, November 15, 2007 at 7:00 pm**
Garfield Elementary School
13050 Aurora Drive, San Leandro, California 94577

DTSC is a part of the California Environmental Protection Agency. An important function of DTSC is to evaluate sites for potential hazardous substances or contamination that may pose a risk to public health and the environment and to oversee soil and groundwater investigations and cleanups if contamination is found. DTSC is the lead government agency overseeing soil and groundwater investigation and cleanup at the Kaiser Facility.

## Site Location and History

The Kaiser Facility is located in a commercial/industrial area and is comprised of two adjoining parcels: a southern 10 acre parcel (880 Doolittle Drive) and a northern 4-acre parcel (498 Hester Street). The 880 Doolittle Drive parcel consists of several buildings including a 175,000-square-foot northern building and an 87,500-square-foot southern building, which are connected by a breezeway. Between 1955 and 1996 Kaiser Aerotech manufactured aerospace and aircraft equipment at the 880 Doolittle Drive parcel. The 498 Hester Street parcel was used for employee parking, light manufacturing, and storage between 1963 and 1976. From 1976 to 2002, Kaiser Aerotech leased most of the 498 Hester Street parcel to other businesses, including a cargo container repair and storage company and light manufacturing company. The Kaiser Facility is largely covered by concrete building foundations or asphalt surfacing. Currently, Expresso Airport Parking operates both parcels as an indoor/outdoor vehicle parking lot.

In June 2004, DTSC issued an Imminent and Substantial Endangerment Determination and Order and Remedial Order (Order) to the Kaiser Facility. The Health and Safety Code section 25358.3(a) authorizes DTSC to take various actions, including issuance of an Imminent or Substantial Endangerment Determination and Order, when DTSC determines that there may be an imminent or substantial endangerment to the public health or welfare or to the environment, because of a release or a threatened release of a hazardous substance. This Order allows DTSC to oversee the investigation and cleanup of the Kaiser Facility.

## Site Investigations

Investigations conducted since 1995 have reported the presence of VOCs in soil, soil vapor, and shallow groundwater beneath the Kaiser Facility. The most frequently reported VOCs are TCE, cis-1,2-DCE, trans-1,2-DCE, 1,1-DCE and vinyl chloride in groundwater and soil vapor. TCE was used mainly as a solvent to remove grease from metal parts.

The chart below lists the highest levels of concentrations detected in January/February 2007 and the proposed cleanup level.

| Primary Contaminants of Concern | Highest Level Detected | Cleanup Level |
|---|---|---|
| TCE | 85,000 ppb | 5 ppb |
| Cis-1,2-DCE | 66,000 ppb | 6 ppb |
| Trans-1,2-DCE | 720 ppb | 10 ppb |
| 1,1-DCE | 300 ppb | 6 ppb |
| Vinyl Chloride | 33,000 ppb | 0.5 ppb |
| **ppb = part per billion** | | |

TCE is reported in soil and groundwater at the Kaiser Facility to a depth of 35 feet below the surface. There is a limited area where contaminated groundwater has left the Kaiser Facility site to the southwest. The groundwater beneath the Kaiser Facility is not used as a drinking water source. The East Bay Municipal Utility District supplies required domestic, agricultural and industrial water to the City of San Leandro.

## What is a Draft RAP?

The purpose of a Draft RAP is to identify a preferred cleanup alternative for a site which prevents or reduces potential risks to public health and the environment. A Draft RAP summarizes previous investigations and identifies the possible cleanup alternatives.

The Draft RAP identifies the alternative DTSC recommends and believes is the most appropriate for the site. Before DTSC makes a final decision to approve, modify, or deny a Draft RAP, the Draft RAP is made available for public comment during a 30-day public comment period. All comments received from the public during the public

comment period are reviewed and considered before the Draft RAP is approved by DTSC.

### Cleanup Alternatives Considered

Four alternatives were considered to address contaminated groundwater at the Kaiser Facility:

- Alternative 1 involves "No Action". This alternative involves no further activities to monitor, treat, contain, or remove any of the VOC-impacted soil or groundwater present at the Kaiser Facility.
- Alternative 2 involves Monitored Natural Attenuation (MNA). This alternative relies on the natural physical, chemical, and biological processes to break down the contamination in the groundwater. This alternative only monitors the contaminants and offers no other activities to treat, contain, or remove any of the VOC-impacted soil or groundwater present at the Kaiser Facility.
- Alternative 3 involves extracting and treating contaminated groundwater in areas where there are high levels of contamination. MNA would be used in the other areas of the site. The treated groundwater would then be discharged to the sanitary sewer.
- Alternative 4 involves in-situ enhanced reductive dechlorination (ERD) and MNA. This alternative involves injecting a manufactured food-grade substance, such as sodium lactate, into the contaminated groundwater to help accelerate the natural process of breaking down the contaminants. MNA would be used after the injections. Groundwater monitoring would be done to monitor the distribution, persistence and effectiveness of the sodium lactate injections.

### DTSC's Recommended Cleanup Alternative

DTSC recommends Alternative 4 as the preferred cleanup alternative for the Kaiser Facility. Reductive dechlorination is a biological process that breaks down VOCs in groundwater by naturally occurring bacteria. The breakdown of VOCs is enhanced by injecting sodium lactate into the groundwater. The bacteria consume sodium lactate and in the process break down the VOCs in the groundwater.

At no time during the process do the bacteria represent a potential risk to the environment, people or animals that may cross, travel by or live near the site.

A pilot study conducted at the Kaiser Facility in 2005-2006 showed that VOCs in groundwater can be successfully destroyed in-place by injecting sodium lactate into the groundwater. This alternative is protective of human health and the environment, cleans up the property to levels that are safe for commercial use, is cost-effective and can be readily implemented.

If cleanup goals are not met after the injections, land-use restrictions will be placed on the property that prohibits the use of the property for residences, schools, day-care centers, and hospitals.

### California Environmental Quality Act – Notice of Exemption

A Notice of Exemption (NOE) has been prepared in accordance with the California Environmental Quality Act. This document will be filed with the Governor's Office of Planning and Research, State Clearinghouse. The NOE is DTSC's finding that the proposed cleanup would have no impact on the environment or community. The NOE is available for public review on-line and at the Information Repositories listed on page 4.

### Next Steps

During the next 30-days the public has an opportunity to review the proposed Draft RAP and NOE. The public has an opportunity to comment on the Draft RAP during the 30-day public comment period from November 6, 2007 and to December 14, 2007. A public meeting will be held to discuss the Draft RAP, to answer the community's questions, and to receive public comments. The public meeting will be held on Thursday, November 15, 2007 at 7:00 pm at the Garfield Elementary School, 13050 Aurora Drive, San Leandro, California 94577.

DTSC will consider all comments received during the comment period before making a final decision on approving, modifying, or denying the Draft RAP. Once a decision has been made, DTSC will prepare a "Responsiveness Summary" document that explains how public comments were considered and how they were, or were not, incorporated into the final cleanup decision

for the site. All individuals who submitted comments or questions will be sent a copy of the "Responsiveness Summary" document. A copy of the "Responsiveness Summary" document will also be available at the information repositories.

### Information Repositories

The Draft RAP, NOE, and other site-related documents are available at the Information Repositories listed below:

**Mulford-Marina Branch Library**
13699 Aurora Drive
San Leandro, California 94577
(510) 357-3850
Please call for library hours.

The full Administrative Record is located at:
**DTSC File Room**
700 Heinz Avenue
Berkeley, California 94710
(510) 540-3800
(Please call for an appointment.)
Hours: Monday – Friday 8:00 a.m. – 5:00 p.m.

### Website Information

The Draft RAP and NOE are available online at www.envirostor.dtsc.ca.gov/public/. Enter San Leandro for the city and click "Get Report". Find "Kaiser Aerospace & Electronics Company" and click on "Report". This will take you to DTSC's database where you will find the Draft RAP and other documents related to the Kaiser Facility.

If you would like to learn more about the Department of Toxic Substances Control, you can visit us online at www.dtsc.ca.gov.

### Notice to the Hearing Impaired

TDD users can obtain information about the Kaiser Facility site by using the California State Relay Service at (888) 877-5378. Please ask to speak with Chao Thao, DTSC Public Participation Specialist, at (916) 255-3649.

### For More Information

For questions regarding the Draft RAP or the NOE, please contact:
Jayantha Randeni
DTSC Project Manager
700 Heinz Avenue
Berkeley, California 94710
(510) 540-3806
Jrandeni@dtsc.ca.gov

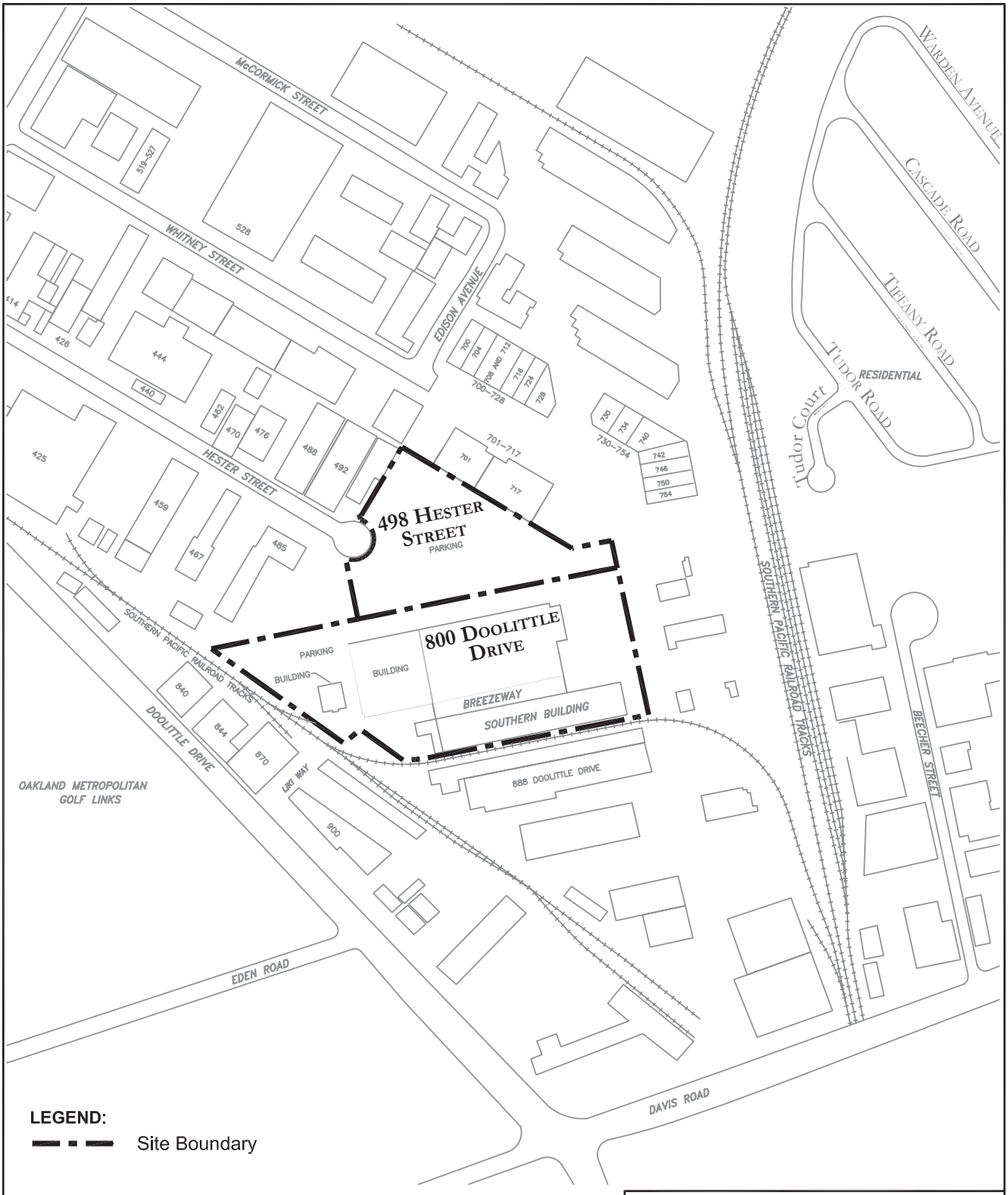
For questions regarding public participation contact:
Chao Thao
DTSC Public Participation Specialist
8800 Cal Center Drive
Sacramento, California 95826
(916) 255-3649
Toll-free at (866) 495-5651
Cthao@dtsc.ca.gov

For media inquiries contact:
Angela Blanchette
DTSC Public Information Officer
700 Heinz Avenue
Berkeley, California 94710
(510) 540-3732
Ablanche@dtsc.ca.gov

### Annuncio

Si prefiere hablar con alguien en español acerca de ésta información, favor de llamar a Jacinto Soto, Departamento de Control de Substancies Tóxicas. El número de teléfono es (510) 540-3842.

如果你需要中文信息或需要
与讲中文的工作人员交谈，
请打电话给 Cindy Chain-Britton.
电话号码 (916) 445-4413 。




# Site Map

FORMER KAISER AEROTECH FACILITIES
SAN LEANDRO, CALIFORNIA

SGI environmental THE SOURCE GROUP, INC.
3451-C VINCENT ROAD
PLEASANT HILL, CA 94523

Date: 9/13/07

Figure: 2

FIGURE 2.DWG

## COMMENT FORM

If you have any comments concerning the Draft Remedial Action Plan for the former Kaiser Aerotech Facility please fill out the information below and mail by December 14, 2007. Please include your name and address if you wish to receive a copy of the written Responsiveness Summary when the Final Remedial Action Plan is issued. Also, please provide your name and address if you would like to be added to or removed from the former Kaiser Aerotech Facility mailing list. Comments must be postmarked by December 14, 2007. Send your comments to:


Jayantha Randeni
DTSC Project Manager
700 Heinz Avenue, Berkeley, California 94710
(510) 540-3806 or Jrandeni@dtsc.ca.gov


### ARE YOU ON DTSC's MAILING LIST ?

☐ Please add me to the former Kaiser Aerotech Facility mailing list.

☐ Please take me off the the former Kaiser Aerotech Facility mailing list.

Note: While the mailing list is solely for DTSC to keep you informed of our activities, the list is considered a public record and, if requested, may be subject to release. Please print name and address clearly.

Name: _____

Address: _____

City/State/Zip: _____

Phone (optional): _____ E-mail (optional): _____

Comments (*attach additional pages if needed*):_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

Note: Your comments will be considered a public record for this site and, if requested, may be subject to release.